

 $\frac{2}{8}$ 

Fig.2

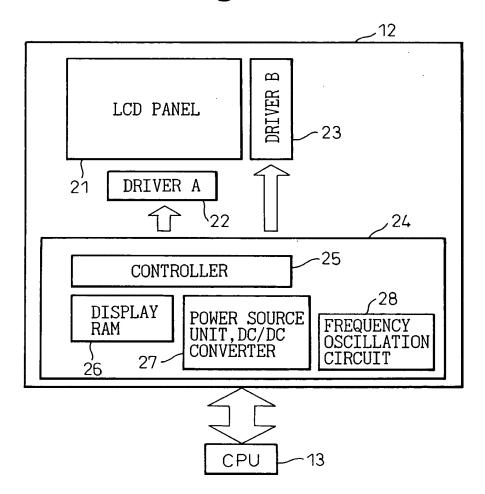


Fig.3

DEVICE AS	LCD	RADIO	CONTROL
TOTAL	DISPLAY	CIRCUIT	CIRCUIT
Δىر1360	360µA	600µA	

Fig.4

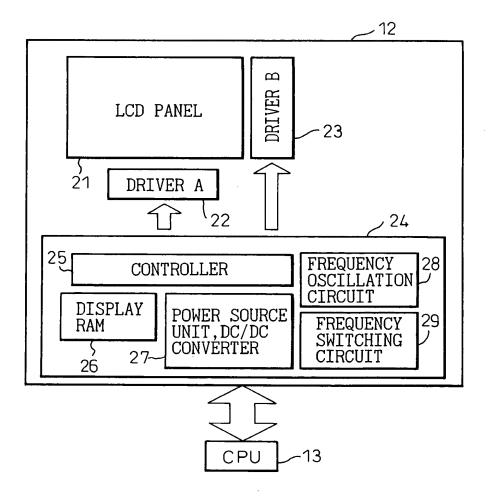


Fig.5

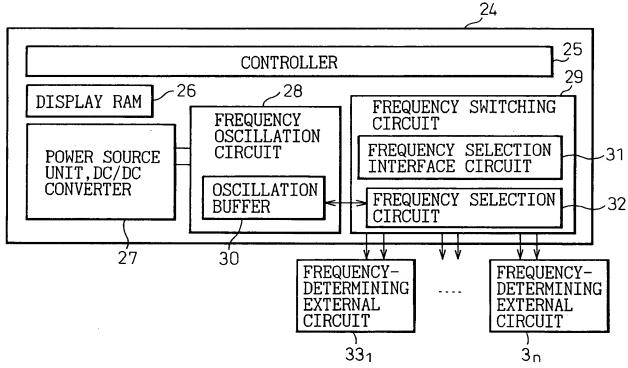




Fig.6

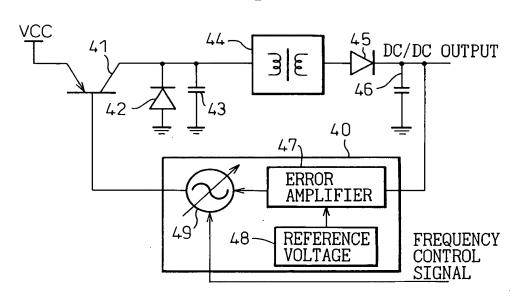


Fig. 7A

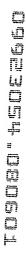
SAMPLE HOLDING UNIT DC/DC OUTPUT (MIN)

Fig. 7B

SAMPLE HOLDING UNIT DC/DC OUTPUT (MIN)

2.7mA (90%) 0.1mA (30%) 0.67mA|0.6mA(90%) 0.6mA(60%) 2.7mA(90%) PARTIAL DISPLAY | 0.11mA|0.1mA (90%) OUTPUT OUTPUT CURRENT INPUT 0.3mA INPUT 3mA 3mA 1m A REDUCTION IN NUMBER OF COLORS REDUCTION IN NUMBER OF COLORS PARTIAL DISPLAY FULL-SCREEN DISPLAY FULL-SCREEN DISPLAY PARTIAL DISPLAY / CONVENTIONAL MODE MODE LOW-POWER CONSUMPTION TECHNIQUE 0 REDUCTION IN NUMBER OF DISPLAY COLORS (CONVENTIONAL LOW-) POWER CONSUMPTION) PRIOR ART MAXIMUM DISPLAY TIME FULL-SCREEN) DISPLAY NORMAL 100% %09 20% %05 % 80%

6/8



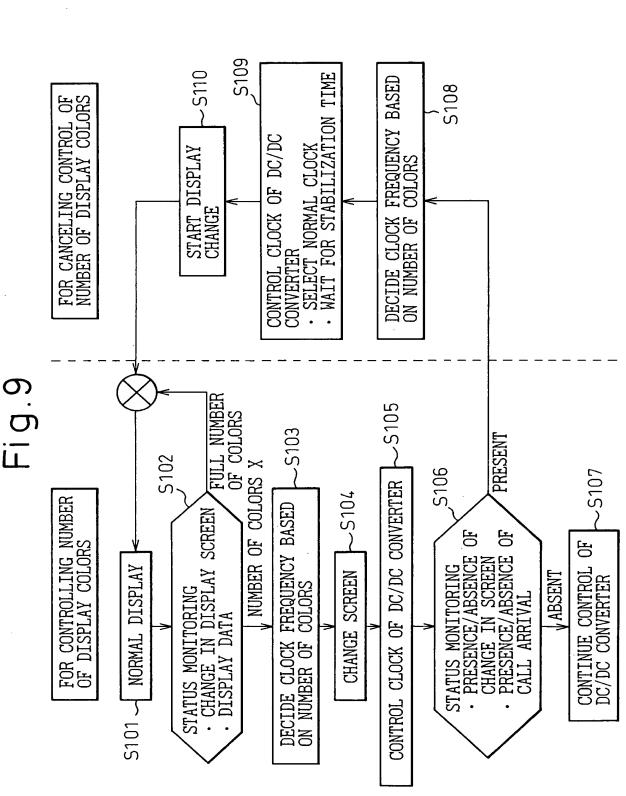


Fig. 10

8 8 · SELECT NORMAL CLOCK · WAIT FOR STABILIZATION TIME **S208** CANCEL DISPLAY PARTIAL MODE 5207 CONTROL CLOCK OF DC/DC CONVERTER FOR CANCELING POWER SAVING PRESENT PRESENT -52045205 5202 **S206** STATUS MONITORING

• PRESENCE/ABSENCE OF KEY INPUT

• PRESENCE/ABSENCE OF

CALL ARRIVAL · PRESENCE/ABSENCE OF KEY INPUT · PRESENCE/ABSENCE OF DC/DC CONVERTER TO DISPLAY PARTIAL MODE CONTINUE PARTIAL DC/DC CONVERTER CONTROL FOR SHIFTING POWER SAVING NORMAL DISPLAY **V** ABSENT , ABSENT STATUS MONITORING CONTROL CLOCK OF ARRIVAL SHIFT